OpcReferenceTypes Members

Namespace: Opc.UaFx
Assemblies: Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll
The OpcReferenceTypes type exposes the following members.

Fields

Aggregates

Provides the identifier used by references representing the reference type Aggregates.

C#

```
public static readonly OpcNodeId Aggregates
```

Field Value
OpcNodeId

AlwaysGeneratesEvent

Provides the identifier used by references representing the reference type AlwaysGeneratesEvent.

C#

```
public static readonly OpcNodeId AlwaysGeneratesEvent
```

Field Value
OpcNodeId

FromState

Provides the identifier used by references representing the reference type FromState.

C#

```
public static readonly OpcNodeId FromState
```

Field Value
OpcNodeId

GeneratesEvent

Provides the identifier used by references representing the reference type GeneratesEvent.

C#

```
public static readonly OpcNodeId GeneratesEvent
```

Field Value
OpcNodeId

HasCause

Provides the identifier used by references representing the reference type HasCause.

C#

```
public static readonly OpcNodeId HasCause
```

Field Value
OpcNodeId

HasChild

Provides the identifier used by references representing the reference type HasChild.

C#

```
public static readonly OpcNodeId HasChild
```

Field Value
OpcNodeId

HasComponent

Provides the identifier used by references representing the reference type HasComponent.

C#

```
public static readonly OpcNodeId HasComponent
```

Field Value
OpcNodeId

HasCondition

Provides the identifier used by references representing the reference type HasCondition.

C#

```
public static readonly OpcNodeId HasCondition
```

Field Value
OpcNodeId

HasDescription

Provides the identifier used by references representing the reference type HasDescription.

C#

```
public static readonly OpcNodeId HasDescription
```

Field Value
OpcNodeId

HasEffect

Provides the identifier used by references representing the reference type HasEffect.

C#

```
public static readonly OpcNodeId HasEffect
```

Field Value
OpcNodeId

HasEncoding

Provides the identifier used by references representing the reference type HasEncoding.

C#

```
public static readonly OpcNodeId HasEncoding
```

Field Value
OpcNodeId

HasEventSource

Provides the identifier used by references representing the reference type HasEventSource.

C#

```
public static readonly OpcNodeId HasEventSource
```

Field Value
OpcNodeId

HasFalseSubState

Provides the identifier used by references representing the reference type HasFalseSubState.

C#

```
public static readonly OpcNodeId HasFalseSubState
```

Field Value
OpcNodeId

HasHistoricalConfiguration

Provides the identifier used by references representing the reference type HasHistoricalConfiguration.

C#

```
public static readonly OpcNodeId HasHistoricalConfiguration
```

Field Value
OpcNodeId

HasModellingRule

Provides the identifier used by references representing the reference type HasModellingRule.

C#

```
public static readonly OpcNodeId HasModellingRule
```

Field Value
OpcNodeId

HasNotifier

Provides the identifier used by references representing the reference type HasNotifier.

C#

```
public static readonly OpcNodeId HasNotifier
```

Field Value
OpcNodeId

HasOrderedComponent

Provides the identifier used by references representing the reference type HasOrderedComponent.

C#

```
public static readonly OpcNodeId HasOrderedComponent
```

Field Value
OpcNodeId

HasProperty

Provides the identifier used by references representing the reference type HasProperty.

C#

```
public static readonly OpcNodeId HasProperty
```

Field Value
OpcNodeId

HasSubStateMachine

Provides the identifier used by references representing the reference type HasSubStateMachine.

C#

```
public static readonly OpcNodeId HasSubStateMachine
```

Field Value
OpcNodeId

HasSubtype

Provides the identifier used by references representing the reference type HasSubtype.

C#

```
public static readonly OpcNodeId HasSubtype
```

Field Value
OpcNodeId

HasTrueSubState

Provides the identifier used by references representing the reference type HasTrueSubState.

C#

```
public static readonly OpcNodeId HasTrueSubState
```

Field Value
OpcNodeId

HasTypeDefinition

Provides the identifier used by references representing the reference type HasTypeDefinition.

C#

```
public static readonly OpcNodeId HasTypeDefinition
```

Field Value
OpcNodeId

HierarchicalReferences

Provides the identifier used by references representing the reference type HierarchicalReferences.

C#

```
public static readonly OpcNodeId HierarchicalReferences
```

Field Value
OpcNodeId

NonHierarchicalReferences

Provides the identifier used by references representing the reference type NonHierarchicalReferences.

C#

```
public static readonly OpcNodeId NonHierarchicalReferences
```

Field Value
OpcNodeId

Organizes

Provides the identifier used by references representing the reference type Organizes.

C#

```
public static readonly OpcNodeId Organizes
```

Field Value
OpcNodeId

References

Provides the identifier used by references representing the reference type References.

C#

```
public static readonly OpcNodeId References
```

Field Value
OpcNodeId

ToState

Provides the identifier used by references representing the reference type ToState.

C#

```
public static readonly OpcNodeId ToState
```

Field Value
OpcNodeId

Methods

GetNodeId(OpcReferenceType)

Retrieves the according OpcNodeId for the type of reference defined by the OpcReferenceType specified by `type`.

C#

```
public static OpcNodeId GetNodeId(OpcReferenceType type)
```

Parameters

`type` OpcReferenceType

The OpcReferenceType value from which the according OpcNodeId of the reference type is to be determined.

Returns

OpcNodeId

The OpcNodeId of the reference type the `type` refer to or a null reference (Nothing in Visual Basic) if the `type` is not a foundation defined reference type.

GetReferenceType(OpcName)

Retrieves the according OpcReferenceType enumeration member for the `name` used by a specified type of reference.

C#

```
public static OpcReferenceType? GetReferenceType(OpcName name)
```

Parameters

`name` OpcName

The OpcName indicating the BrowseName of the type of reference to resolve.

Returns

Nullable<OpcReferenceType>

One of the members defined by the OpcReferenceType enumeration which represents the type name specified or a null reference (Nothing in Visual basic) if the specified type of reference can't be determined.

GetReferenceType(OpcNodeId)

Retrieves the according OpcReferenceType enumeration member for the `nodeId` used by a specified type of reference.

C#

```
public static OpcReferenceType? GetReferenceType(OpcNodeId nodeId)
```

Parameters

`nodeId` OpcNodeId

The identifier of the type of reference used by an instance node (see 'Opc.UaFx.OpcInstanceNode.ReferenceType').

Returns

Nullable<OpcReferenceType>

One of the members defined by the OpcReferenceType enumeration which represents the type identifier specified or a null reference (Nothing in Visual Basic) if the specific type of reference can't be determined.

GetReferenceTypeName(OpcNodeId)

Retrieves the according OpcName indicating the BrowseName of the type of reference identified by `nodeId`.

C#

```
public static OpcName GetReferenceTypeName(OpcNodeId nodeId)
```

Parameters

`nodeId` OpcNodeId

The identifier of the type of reference.

Returns

OpcName

The OpcName of the type of reference identified by `nodeId` or a null reference (Nothing in Visual Basic) if the specific type of reference can't be determined.

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